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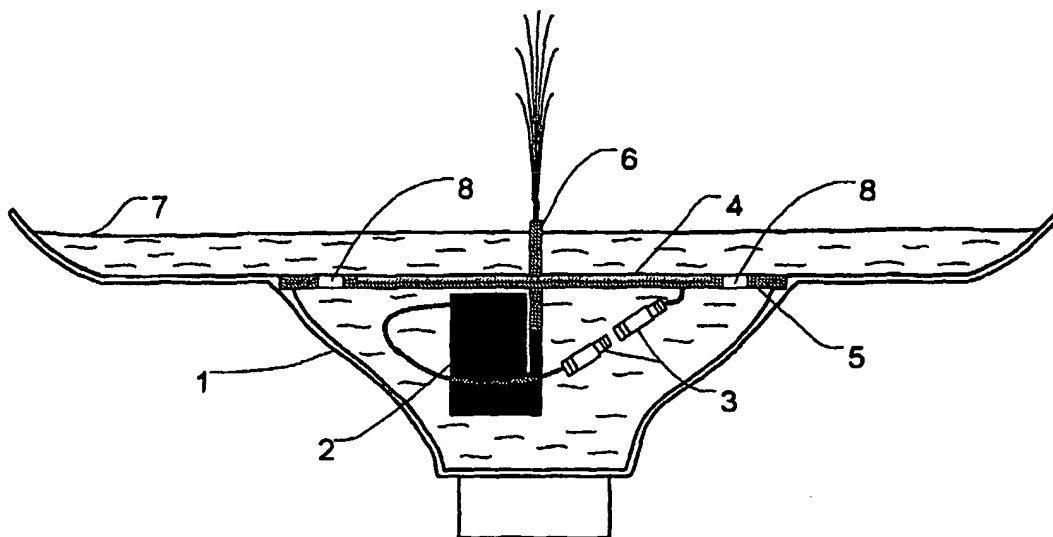
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[Continued on next page]

(54) Title: WATER FEATURE



(57) Abstract: A water feature comprising a vessel (1) for containing water, an electrically powered submersible water pump (2) within the vessel (1) for pumping water to an outlet of the water feature and a solar panel (4) arranged to provide electrical power to the water pump (2). The solar panel (4) is arranged within said water vessel (1) above the water pump and so as to be beneath the water level (7) in the vessel (1) in use.



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*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 B05B17/00 B05B17/08 H02J7/35

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B05B H02J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 12, 26 December 1996 (1996-12-26) & JP 08 196966 A (FUJITA CORP), 6 August 1996 (1996-08-06) abstract	1,3,4
A	-----	2,5,6
X	US 6 179 218 B1 (GATES CHRISTOPHER) 30 January 2001 (2001-01-30) column 2, line 28 - column 4, line 41; figures	1,3,4
A	-----	1-6
	DE 200 15 231 U (KOCUREK PETER) 23 May 2001 (2001-05-23) the whole document ----- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

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Date of the actual completion of the international search

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Date of mailing of the international search report

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 299 18 542 U (WUTSCHIK MARK) 17 February 2000 (2000-02-17) the whole document -----	1-6
X	US 2002/041505 A1 (SUZUI MASAKI ET AL) 11 April 2002 (2002-04-11) paragraph '0049! - paragraph '0057! -----	7,8

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/GB2004/003308

## Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

International Application No. PCT/GB2004 /003308

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-6

Fountain comprising a solar panel beneath the water level  
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2. claims: 7,8

Control of a solar powered electric device comprising means to supply electric power dependent on the voltage level  
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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
JP 08196966	A	06-08-1996	NONE		
US 6179218	B1	30-01-2001	WO	9808617 A1	05-03-1998
DE 20015231	U	23-05-2001	DE	20015231 U1	23-05-2001
DE 29918542	U	17-02-2000	DE	29918542 U1	17-02-2000
			DE	10011963 A1	26-04-2001
			US	6435422 B1	20-08-2002
US 2002041505	A1	11-04-2002	JP	2002112553 A	12-04-2002